

Title (en)
Apparatus for and method of recording image

Title (de)
Gerät und Verfahren zur Bildaufzeichnung

Title (fr)
Appareil et méthode d'enregistrement d'images

Publication
EP 1136272 B1 20060614 (EN)

Application
EP 01106181 A 20010313

Priority
JP 2000077284 A 20000317

Abstract (en)
[origin: EP1136272A2] The intensity of a light beam (L) is controlled accurately depending on an image to be recorded on a photosensitive medium. An apparatus for recording an image by scanning a photosensitive medium with a light beam (L) generated based on an image signal has a recording duty cycle detector (154) for detecting a recording duty cycle (PDUTY) of an image to be recorded on the photosensitive medium based on the image signal, and a light beam intensity correcting memory (156) for modulating the intensity of the light beam based on the detected recording duty ratio (PDUTY). Since the intensity of the light beam (L) is modulated based on the recording duty ratio (PDUTY) of the image recorded on the photosensitive medium, the amount of light of the light beam can be adjusted depending on the image actually recorded on the photosensitive medium. <IMAGE>

IPC 8 full level
B41J 2/47 (2006.01); **G02F 1/11** (2006.01); **G03F 7/20** (2006.01); **G06K 15/12** (2006.01); **H04N 1/40** (2006.01); **H04N 1/407** (2006.01)

CPC (source: EP US)
G06K 15/1223 (2013.01 - EP US); **H04N 1/40037** (2013.01 - EP US)

Cited by
EP1349107A1; US7339697B2; EP1830554A3; US7701613B2; US6822670B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1136272 A2 20010926; EP 1136272 A3 20030305; EP 1136272 B1 20060614; DE 60120533 D1 20060727; DE 60120533 T2 20070118; JP 2001265001 A 20010928; US 2001022658 A1 20010920; US 7339697 B2 20080304

DOCDB simple family (application)
EP 01106181 A 20010313; DE 60120533 T 20010313; JP 2000077284 A 20000317; US 81066101 A 20010319